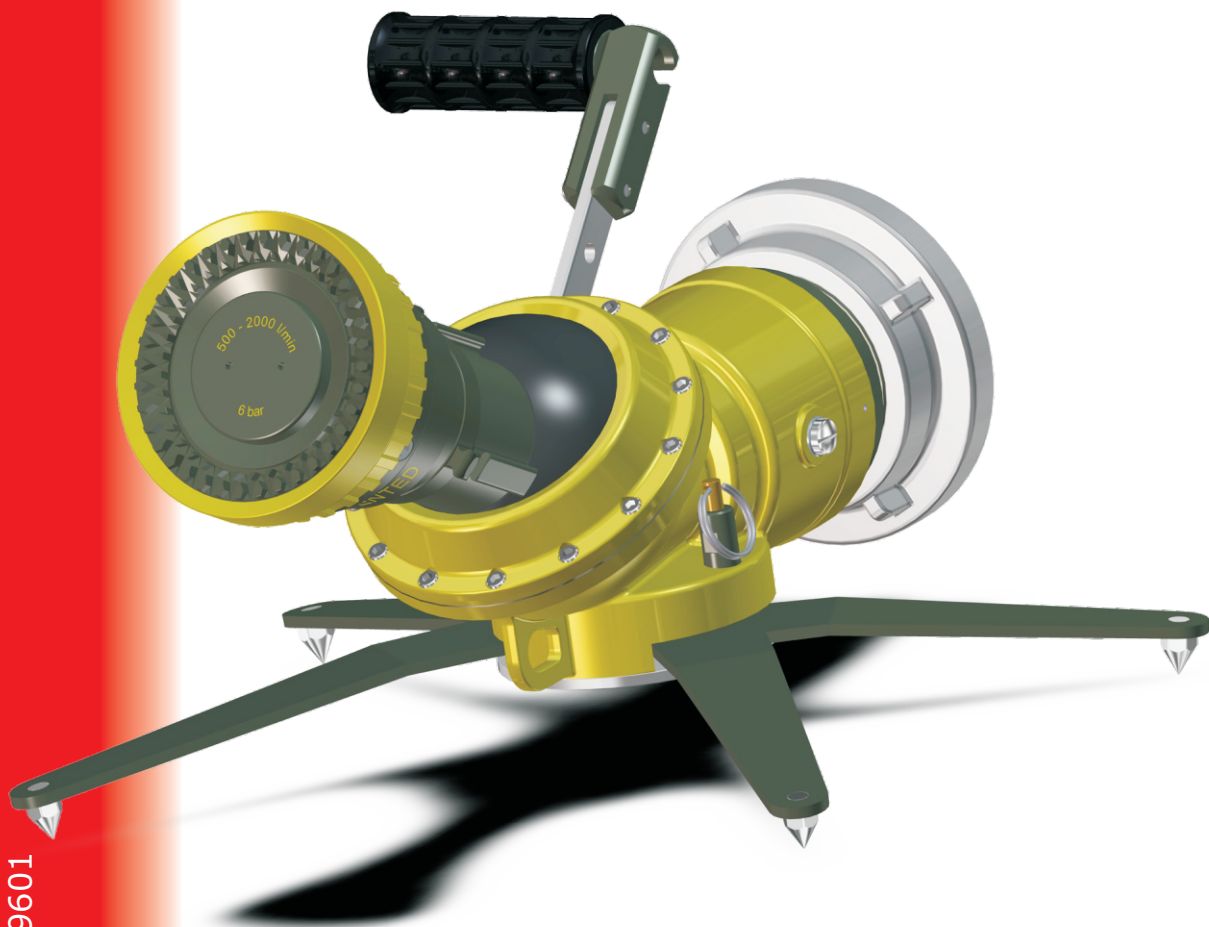


FROGUY 2.5"

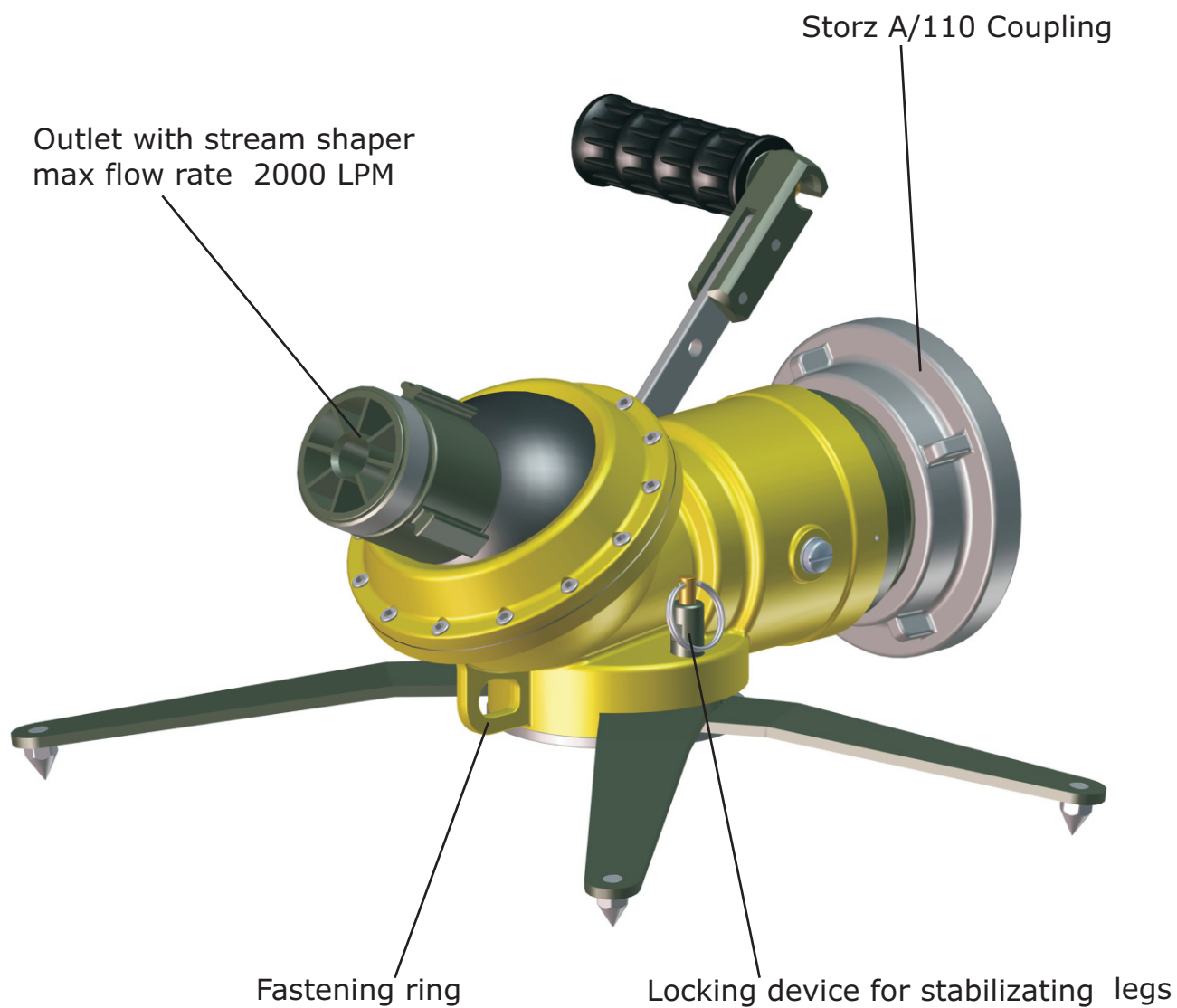
Code article : 29601



- Presentation
- Overall dimensions
- Exploded view
- Bill of materials
- Options
- Manual
- Maintenance



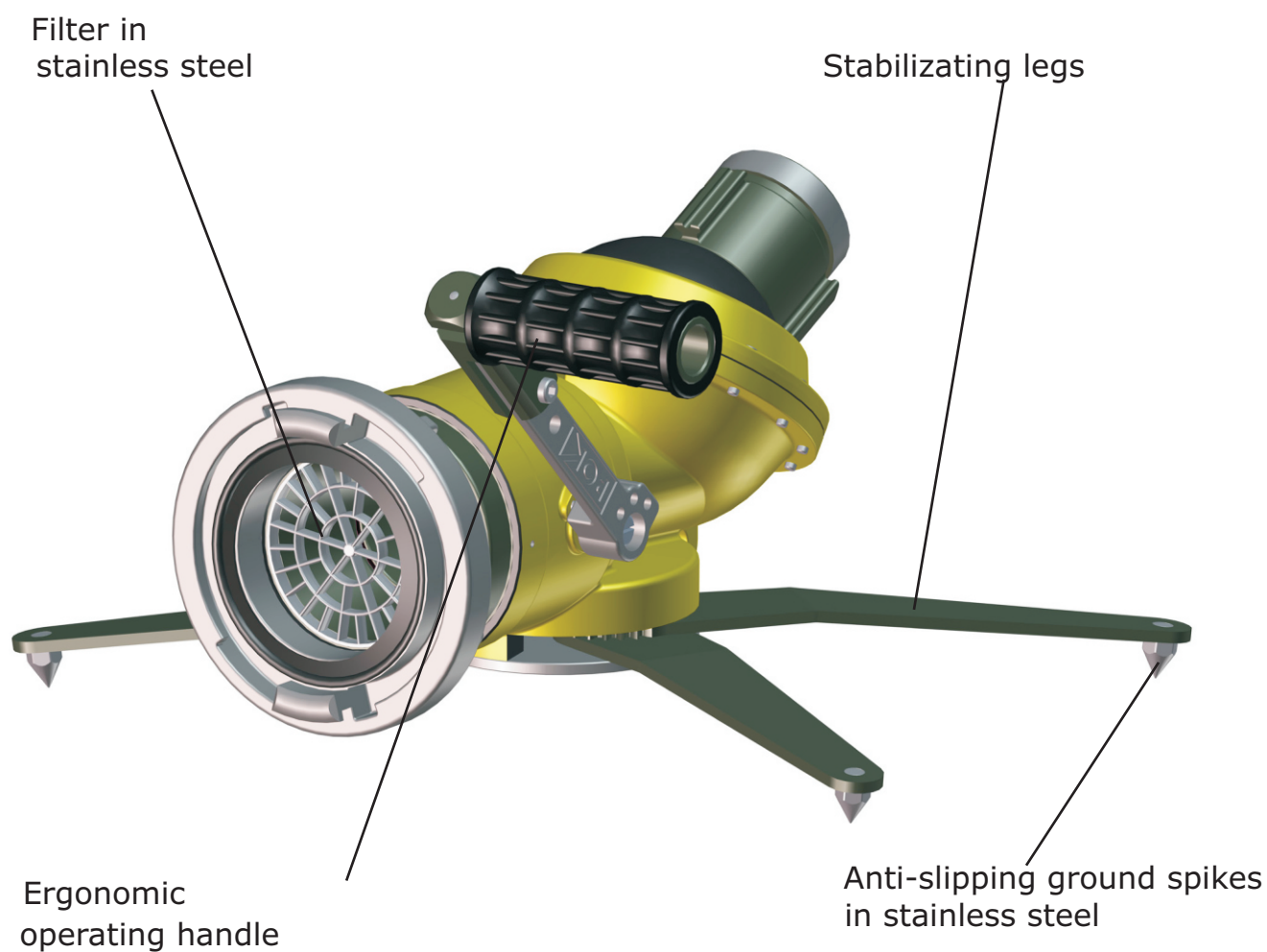
Presentation



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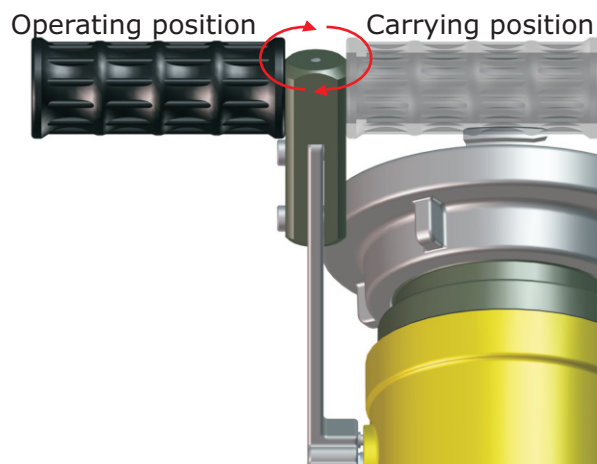


Presentation



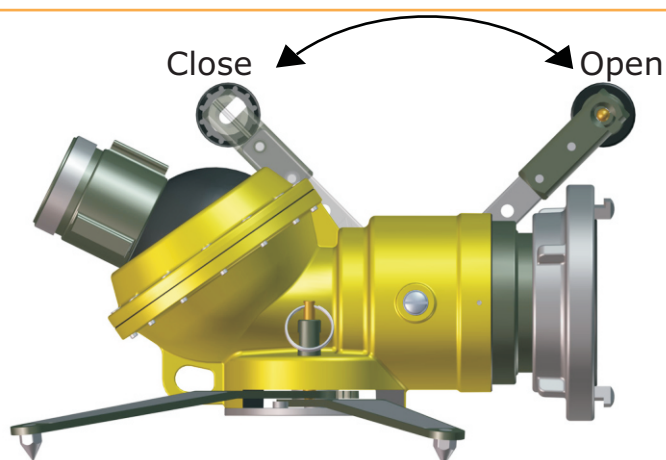
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Picture 1



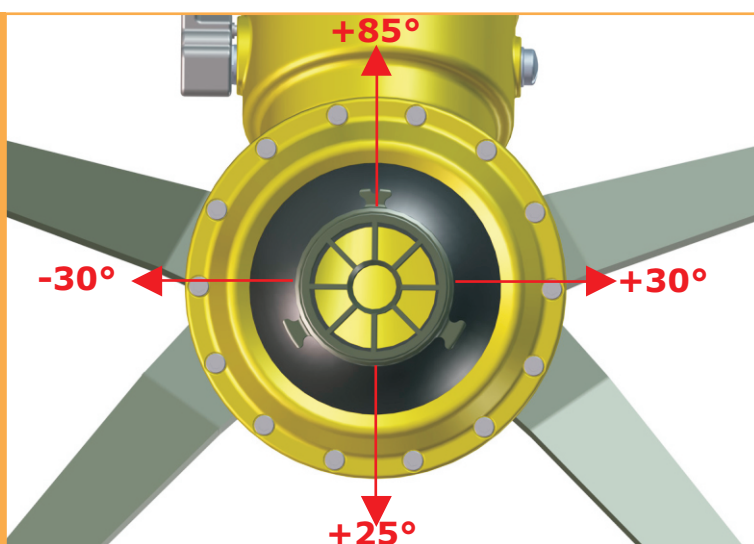
Ergonomic operating handle.
Switch from one position to the other is obtained by a $\pm 180^\circ$ handle rotation (Picture 1).

Picture 2



The valve may be opened and closed by means of the operating handle.
Waterway of 75mm (3").

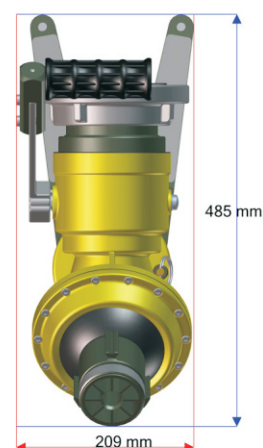
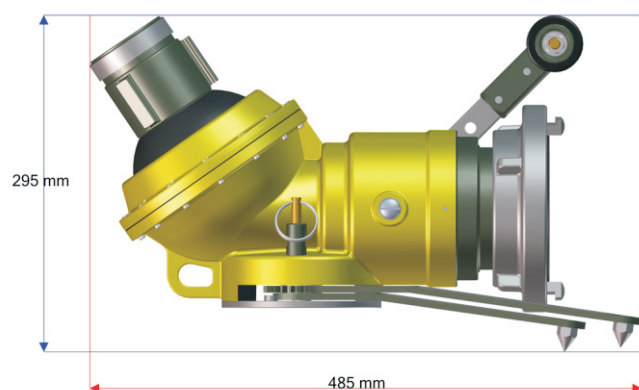
Picture 3



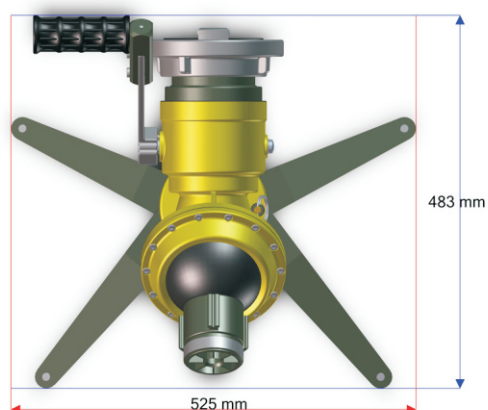
2000 LPM at the diffuser outlet, swivel, horizontal travel: $\pm 30^\circ$ and vertical travel: $+25^\circ$ à $+85^\circ$. (Picture 3)
The change in orientation is obtained by reducing the flow rate. (Picture 2)

POK Overall dimensions

Folded position :



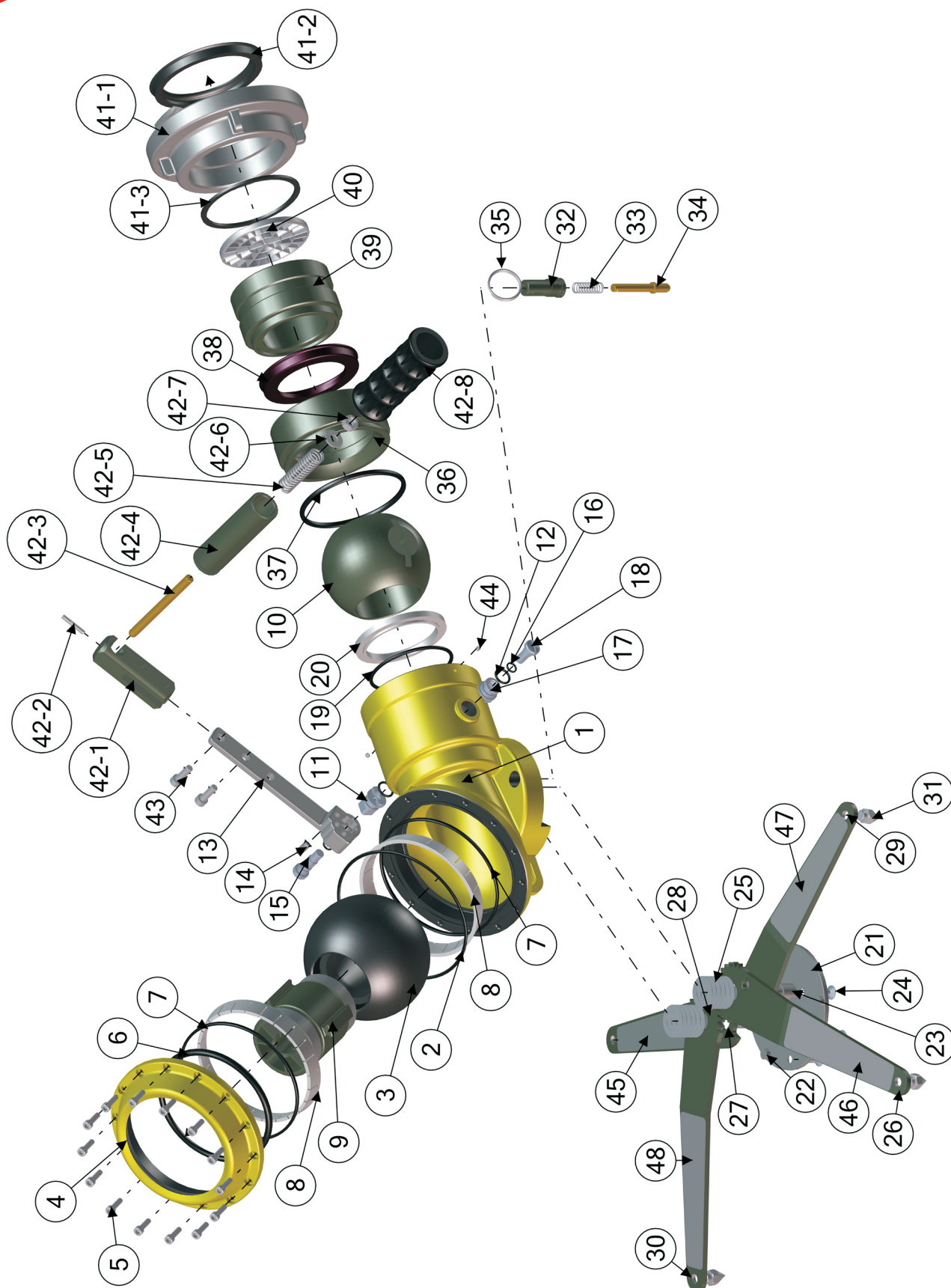
Operating position :



Weight 11 kgs



Exploded View



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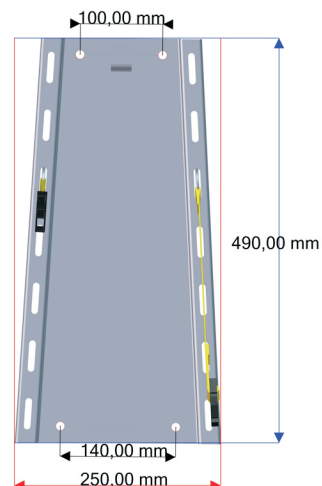
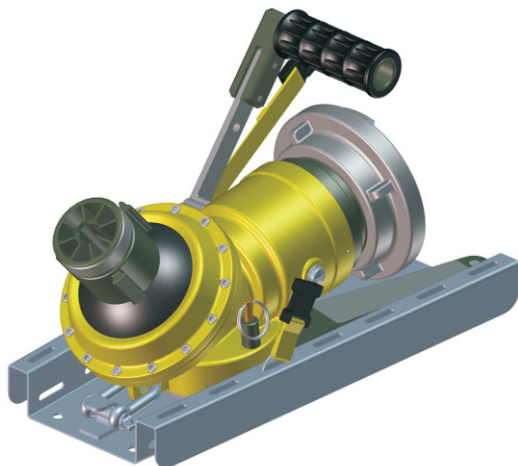


Bill of materials

REP	QTE	DESIGNATION	REF
31	4	Spike of stabilizing leg	17988
32	1	Sheath of legs locking device	10901
33	1	Spring of legs locking device	10900
34	1	Piston of legs locking device	10899
35	1	Double turn ring	
36	1	Gasket carrying ring	29613
37	1	Gasket R51	
38	1	Gasket for Ball valve shutoff inlet Ø75	29611
39	1	Inlet coupling male thread 4" BSP	29614
40	1	Filter DN100	13645
41	1	Fixed Storz A/110 coupling female thread G 4 H	5037
41-1	1	----- Storz A/110 coupling female thread G 4 H (without gasket)	
41-2	1	----- Flat gasket female thread BSP 4"	
41-3	1	----- Gasket for Storz A/110 coupling	
42	1	Ergonomic handle	29615
42-1	1	----- Handle body	29616
42-2	1	----- Pin G6 5x30	
42-3	1	----- Swivel axe	29617
42-4	1	----- Carrying handle	29618
42-5	1	----- Spring	27329
42-6	1	----- Nut M10	
42-7	1	----- Screw H M10	
42-8	1	----- Handle cover	12021
43	2	Screw CBHC M8-25	
44	2	Screw STHC TR M5-5	
45	1	Identification tag for right back stabilizing leg	21250
46	1	Identification tag for left front stabilizing leg	21251
47	1	Identification tag for left back stabilizing leg	21252
48	1	Identification tag for right front stabilizing leg	11078

REP	QTE	DESIGNATION	REF
1	1	Body	29605
2	1	Gasket Ø158,34 x Ø3,53	
3	1	Ball	29638
4	1	Screwtop	29607
5	14	Screw CHC M6-20	
6	1	Gasket R58	
7	2	Gasket Ø142,47 x Ø3,53	
8	2	Sphere support	29609
9	1	Stream shaper	25881
10	1	Ball valve shutoff Ø75	29610
11	1	Shutoff axis	16188
12	2	Gasket R12	
13	1	Flat handle	14465
14	1	Screw STHC TL M8-20	
15	1	Screw for shutoff axis	16189
16	2	Gasket R7	
17	1	Secondary axis	10157
18	1	Screw for secondary axis	10518
19	1	Gasket Ø89 x Ø4	
20	1	Gasket for ball valve shutoff Ø75	29612
21	1	Ground plate	18009
22	2	Stop for stabilizing legs	10989
23	2	Stabilizing legs axis	10876
24	5	Screw FHC M8-16	
25	12	Springs	
26	1	Left long stabilizing leg	17972
27	2	Wedging washer	10916
28	2	Driving wheel	10968
29	2	Short stabilizing leg	17973
30	1	Right long stabilizing leg	17971

Storage base:



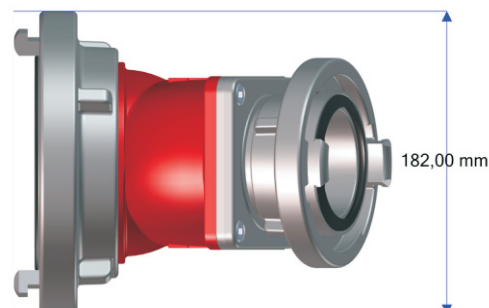
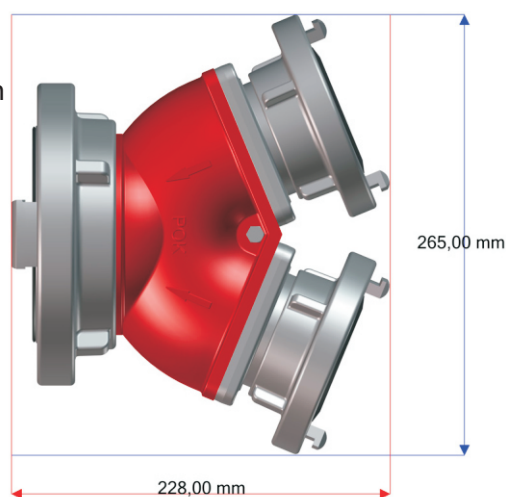
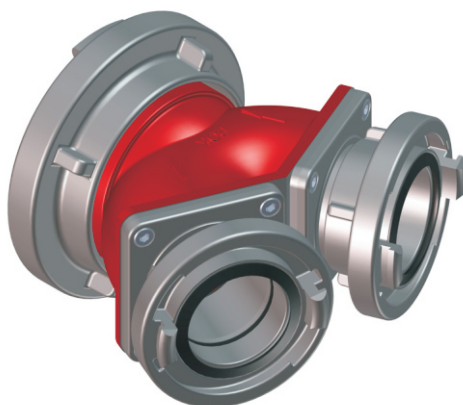
Storage base in stainless steel for monitor .

Item code : 20803

Weight 3.12 Kgs

Inlet options :

Inlet Storz A/110 DIN coupling , Storz 4" NFA 1963, swivel, female thread NST 4" or collecting head with non-return valve (2 inlets 2.5"/DN65), indicate the type of coupling .



Collecting head, 2 inlets Storz B/75, outlet Storz A/110.

Item code : 7995

Weight 3.87 Kgs

Autokador diffuser:

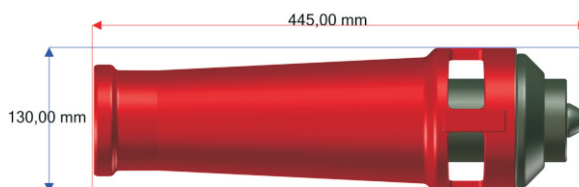
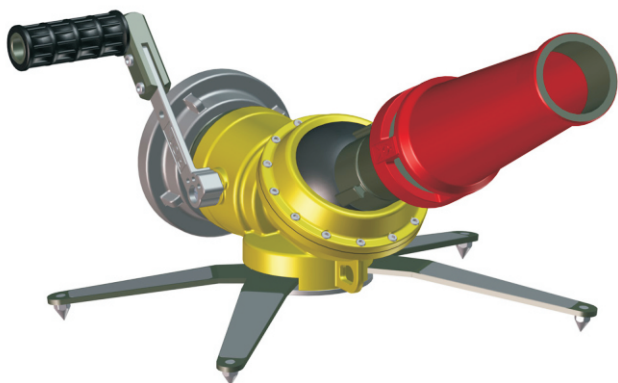


Diffuser Autokador with automatic pressure regulation from 500 to 2000 LPM at 7 bars. Made in aluminium alloy anodised with PTFE impregnation.

Item code : 22505

Weight : 3.25 Kgs

Water/foam branchpipe :



Water/foam branchpipe "PowerFoam" 2000 LPM. Available with or without foam suction orifice. Foam expansion 10.

Without foam orifice * :

Item code : 24038

Weight 3.06 Kgs

Dimensions : 545 mm x 130 mm

Self-educing ** :

Item code : 29152

Weight : 5.37 Kgs

Dimensions : 545 mm x 285 mm

* The pictures above are with water/foam branchpipe "PowerFoam" without suction.

**The water/foam self-educing branchpipes are delivered with pick-up tube.

- **Operating instructions:**

Before any use of Froggy 2.5" monitor, check if there is no missing spare part, if the case, replace them. The material is designed for a working pressure of 7 bars and a maximum pressure of 16 bars. Froggy 2.5" monitor should be attached to a fixed stable point by means of the provided strap.



Before connecting the equipment to a power supply, check if the handle is in operating position (handle pointing outside) and the stabilizing legs are unfolded and blocked by the locking device.

Don't open the valve abruptly to avoid slipping of the equipment.

The change in orientation is obtained by closing the valve partly to reduce the flow rate.

After use, the stabilizing legs may be folded by pulling out the ring of the locking device.



User Manual

• Maintenance :

It's important to clean Froggy 2.5" monitor with clean water after every use to ensure its good functioning, check the functioning of the ball valve shutoff and the ball after every use, none of the components should be blocked, seized up or jammed. Regularly check the equipment visually to detect a potential leakage.

Don't use corrosive substances to clean the monitor to avoid potential gaskets damage or leakages. The warranty will not apply if you dismantle this equipment. The dismantling instructions, given below, are a rough guide.

Don't modify the monitor, it can provoke its malfunctioning or even hazards.

POK SA is not liable for any damages that may be caused as a result of dismantling of the equipment out of our workshops, its modification or bad operating.

Only POK SA is entitled to repair the material and guarantee its good functioning without danger.

However if the spare parts were replaced out of POK workshops, it is necessary to follow the « installation » procedure to ensure the proper functioning of the equipment.

• Spare parts :

Some spare parts, for instance, gaskets or legs spikes (mark 31) may be replaced more or less often depending on the frequency and conditions of use or storage.

Please contact our sales department to obtain our price list, after sales conditions or spare parts.

You may refer to the enclosed bill of materials for spare parts references.

• How to fix a leakage of axial screws :

- Unscrew 2 screws STHC TR M5-5 (mark 44)
- Unscrew gasket-carrying ring (mark 36)
- Pull out the gasket- carrying ring (mark 36) from the inlet coupling male threaded 4" BSP (mark 39)
- Change and lubricate (Loctite 8106) the ball valve inlet gasket Ø75 (mark 38)
- Change and lubricate (Loctite 8106) the gasket R51 (mark 37)
- Pull out the 2 axial screws (mark 15 et 18)
- Pull out the handle (mark 13)
- Pull out the ball valve (mark 10)
- Pull out the shutoff gaskets(mark 17 et 11) by pushing them inside.
- Change the gaskets R12 and R7 (mark 12 et 16)
- Lubricate (Loctite 8106) the gaskets R12 (mark 12) and mount the shutoff gaskets (mark 17 and 11) by inserting them inside the body (mark 1).
- Insert the ball valve (mark 10)
- Lubricate (Loctite 8106) the gaskets R7 (mark 16) without touching the screws' thread mark 15 and 18
- Glue (Loctite 243) and screw the axial screws (mark 18)
- Fix the handle (mark 13) in the position « open »
- Glue (Loctite 243) and screw the axial screws (mark 15)
- Glue (Loctite 243) and screw the gasket- carrying ring (mark 36) and the inlet coupling male threaded 4" BSP (mark 39)
- Screw the gasket- carrying ring (mark 36) into the body (mark 1)
- Fix 22 screws mark 44

Caution. When assembling the shutoff axis and screws, make sure that the gaskets mark 12 and 16 are not damaged and there is no debris stuck between pieces

• How to fix a leakage of the ball :

- Unscrew the 14 screws CHC M6-20 (rep.5)
- Pull out the screwtop (mark 4)
- Change the gasket R58 (mark 6)
- Change the gasket Ø142.47 x Ø3.53 (mark 7) of the screwtop (mark 4)
- Pull out the first ball bearing (mark 8)
- Dismantle the stream shaper (mark 9) and the ball (mark 3)
- Pull out the second ball bearing (mark 8)
- Change the gasket Ø142.47 x Ø3.53 (mark 7)
- Assemble all the components: the gaskets (mark 6-7), the ball (rep.3), don't forget to lubricate them while assembling (Loctite 8106)
- Glue 14 screws CHC M6-20 (mark 5) by means of Loctite 243



Maintenance

• Mobile components cleaning :

- Dismantle axial screws and the ball following the leakage fixing procedures above.
- Make sure none of components is damaged, if the case, replace it.
- Clean the ball and the screws with a cleaning agent.
- Clean the body (mark 1), gaskets ' grooves and threads in particular.
- Rinse the components with clean water
- Make sure there is no dirt or debris.
- Change the gaskets and assemble the components as described in the procedures above.

• Installation procedure:

It is important to check the following points before every running of the equipment:

- Be sure there is no missing components
- Be sure none of damaged components is assembled
- Put a cap with a drain-cock on the stream shaper (mark 9) and test the nozzle under pressure (open the drain-cock, close it when water starts to flow), slowly increase the pressure till 12 bars and leave it under pressure for about 5 minutes. Make sure there is no leakage.
- Put the diffuser on the stream shaper (mark 9) and test the nozzle under the normal working pressure of 7 bars. Be sure that the shutoff opens and closes smoothly.

Check the functioning of the ball (mark 3) by rotating it in all directions. No hard or blocking points should be observed. Duration of the operation is about 10 min.

If no disfunctionning of the Froggy 2.5" nozzle is observed, you may start operating the nozzle.